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L62 ANSWER 4 OF 13 HCAPLUS COPYRIGHT 2002 ACS
AN 1992:136170 HCAPLUS
DN 116:136170
TI Water based silicone elastomer **controlled release** **tablet** film coating VI: The effect of **tablet** shape
AU Li, Luk Chiu; Peck, Garnet E.
CS Sch. Pharm. Pharm. Sci., Purdue Univ., West Lafayette, IN, 47907, USA
SO Drug Dev. Ind. Pharm. (1992), 18(3), 333-43
CODEN: DDIPD8; ISSN: 0363-9045
DT Journal
LA English
CC 63-6 (Pharmaceuticals)
AB The silicone elastomer latex contg. colloidal silica and **polyoxyethylene glycol** 8000 was shown to produce **controlled release** film coating on **KCl** **tablets** with different shapes. The **tablet** shape did not affect the zero-order **release** characteristic of the active ingredient from the coated **tablets**. With the same coating wt., the capsule shaped **tablets** exhibited a faster drug **release rate** as compared to the oval and round deep-cut shaped **tablets**.
ST **controlled release tablet** silicone rubber coating
IT Rubber, silicone, biological studies
RL: BIOL (Biological study)
(film coatings, for **controlled-release** **tablets**)
IT Solution **rate**
(of drug, from silicone rubber-coated **controlled-release tablets**, shape in relation to)
IT **Pharmaceutical dosage forms**
(**tablets, controlled-release**, silicone rubber film-coated, drug **release** from, shape in relation to)
IT 7631-86-9, Silica, biological studies
RL: BIOL (Biological study)
(colloidal, silicone rubber contg., for **controlled-release tablet** coatings)
IT **7447-40-7, Potassium chloride**, properties
RL: PRP (Properties)
(**controlled release** of, from **tablets** coated with silicone rubber films, shape in relation to)
IT **25322-68-3, Polyethylene glycol**
RL: BIOL (Biological study)
(silicone rubber contg., for **controlled-release** **tablet** coating)
IT **7447-40-7, Potassium chloride**, properties
RL: PRP (Properties)
(**controlled release** of, from **tablets** coated with silicone rubber films, shape in relation to)
RN 7447-40-7 HCAPLUS
CN Potassium chloride (KCl) (9CI) (CA INDEX NAME)

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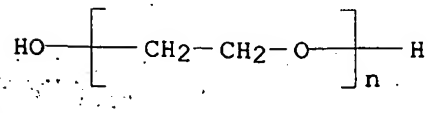
IT **25322-68-3, Polyethylene glycol**
RL: BIOL (Biological study)
(silicone rubber contg., for **controlled-release** **tablet** coating)
RN 25322-68-3 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-hydroxy- (9CI) (CA INDEX NAME)



controlled porosity walls effect on)
RN 7447-40-7 HCAPLUS
CN Potassium chloride (KCl) (9CI) (CA INDEX NAME)

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L62 ANSWER 12 OF 13 HCAPLUS COPYRIGHT 2002 ACS
AN 1983:581405 HCAPLUS
DN 99:181405
TI Production of **sustained-release tablet** hydrophilic matrixes with poly(vinyl alcohol)
AU Suess, W.
CS Abteilung Klin. Pharm., Klin. Hubertusburg, Wermsdorf, Ger. Dem. Rep.
SO Pharmazie (1983), 38(7), 476-8
CODEN: PHARAT; ISSN: 0031-7144
DT Journal

LA German
CC 63-6 (Pharmaceuticals)
AB Li2CO3, **KCl**, and NaF **tablets** were prepd. with poly(vinyl alc.) [9002-89-5], and the effects of drug concn., addn. of talc (glidant), Mg stearate [557-04-0] (hydrophobic lubricant), **polyethylene glycol** 6000 [**25322-68-3**] (hydrophilic lubricant) and potato starch [9005-25-8] (disintegrant) on **release rates** were detd. **Release rates** were increased by increasing drug concn., by glidant concns. .gtoreq.30% by vol., by hydrophilic lubricant and disintegrant. Mg stearate decreased **release rates**. Storage of **tablets** contg. Li2CO3 39.1, poly(vinyl alc.) 58.6, **polyethylene glycol** 6000 1.3, and potato starch 1.0% by vol. at 35.degree. showed no changes after 60 days; storage at 75.degree. was assocd. with discoloration, but the **release rate** was not affected. Adjusting starch and Mg stearate concns. can be used to **control release rates**.
ST **tablet** hydrophilic matrix; polyvinyl alc **tablet**; **sustained release tablet** matrix; lubricant **tablet** drug **release**; glidant **tablet** drug **release**
IT Solution **rate**
(of drugs, from **sustained-release tablets**, lubricants and glidants effect on)
IT **Tablets**
(**sustained-release**, disintegration and soln. **rates** of)
IT 9002-89-5
RL: BIOL (Biological study)
(**sustained-release tablet** matrix contg., disintegration and soln. **rates** of)
IT 554-13-2 **7447-40-7**, biological studies 7681-49-4, biological studies
RL: BIOL (Biological study)
(**sustained-release tablets**, disintegration and soln. **rates** of)
IT 557-04-0 9005-25-8, biological studies 14807-96-6, uses and miscellaneous **25322-68-3**
RL: BIOL (Biological study)
(**tablet** disintegration and soln. **rates** in relation to)
IT **7447-40-7**, biological studies
RL: BIOL (Biological study)
(**sustained-release tablets**, disintegration and soln. **rates** of)
RN 7447-40-7 HCAPLUS
CN Potassium chloride (KCl) (9CI) (CA INDEX NAME)

AN 1991:108860 HCAPLUS
DN 114:108860
TI Water based silicone elastomer **controlled release tablet** film coating. V. A statistical approach
AU Li, Luk Chiu; Peck, Garnet E.
CS Coll. Pharm., Univ. Oklahoma, Oklahoma, OK, 73190, USA
SO Drug Dev. Ind. Pharm. (1991), 17(1), 27-37
CODEN: DDIPD8; ISSN: 0363-9045
DT Journal
LA English
CC 63-6 (Pharmaceuticals)
AB The silicone elastomer latex formulated with **polyethylene glycol** (**PEG**) and colloidal silica produced a **controlled-release** film coating on **KCl tablets**. The **release rate** of **KCl** was **controlled** by the total amt. of **PEG** and the wt. fraction of **PEG** 8000 and 1450 incorporated in the coating. A math. model was developed to quantitate the effect of coating components on the drug **release rate** using the statistical extreme vertices design. The predictive capability of this functional relationship was tested and validated exptl.
ST silicone rubber coating **controlled release tablet**
IT Rubber, silicone, biological studies
RL: BIOL (Biological study)
(**controlled-release tablets** film-coated with)
IT Process simulation, biological
(of drug **release** from silicone rubber film-coated **controlled-release tablets**)
IT Solution **rate**
(of drugs, from silicone rubber film-coated **controlled-release tablets**)
IT **Pharmaceutical dosage forms**
(**tablets, controlled-release,** film-coated, silicone rubber)
IT **7447-40-7, Potassium chloride,** biological studies **25322-68-3**
RL: BIOL (Biological study)
(**controlled-release tablets** contg., silicone rubber film coating for)
IT **7447-40-7, Potassium chloride,** biological studies **25322-68-3**
RL: BIOL (Biological study)
(**controlled-release tablets** contg., silicone rubber film coating for)
RN 7447-40-7 HCAPLUS
CN Potassium chloride (KCl) (9CI) (CA INDEX NAME)

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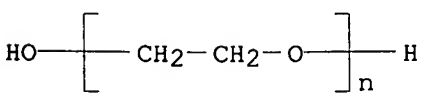
RN 25322-68-3 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-hydroxy- (9CI) (CA INDEX NAME)



L75 ANSWER 3 OF 68 HCAPLUS COPYRIGHT 2002 ACS
AN 1999:760273 HCAPLUS
DN 132:83527
TI Comparative study of the **dissolution** profiles of **potassium chloride tablets** marketed in Brazil
AU Ferraz, Humberto G.; Pinho, Jose De Jesus R. G.; Uehara, Ana Claudia; Reis, Maria Tereza L.; Siguenaga, Audrey M.
CS Departamento de Farmacia, Faculdade de Ciencias Farmaceuticas, Universidade de Sao Paulo, Sao Paulo, SP, 05508-900, Brazil
SO Revista Brasileira de Ciencias Farmaceuticas (1999), 35(1), 95-99
CODEN: RBCFFM; ISSN: 1516-9332
PB Universidade de Sao Paulo, Faculdade de Ciencias Farmaceuticas
DT Journal
LA Portuguese
AB USP std. **dissoln.** tests with 2 brands (A and B, 2 batches each) of **KCl tablets** marketed in Brazil were evaluated. The **dissolved** K concns. were detd. by flame photometry. The results indicated a large difference between the 2 brands; one brand did not comply with the USP specifications and **released** the drug faster. This may pose a risk for the patient because higher concns. of **KCl** can cause adverse side-effects.
IT **7447-40-7, Potassium chloride**, biological studies
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(**potassium chloride tablets** from Brazil markets comparison for **dissoln.** profiles)
RN 7447-40-7 HCAPLUS
CN Potassium chloride (KCl) (9CI) (CA INDEX NAME)

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RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L75 ANSWER 4 OF 68 HCAPLUS COPYRIGHT 2002 ACS
AN 1999:549137 HCAPLUS
DN 131:175079
TI **Controlled release potassium chloride** pellet based pharmaceutical compositions having a high active ingredient content
IN Nagy, Tibor; Pataki, Karoly; Gunther, Gabor; Fekete, Pal; Farago, Gabor; Lady, Blanka
PA Egis Gyogyszergyar Rt., Hung.
SO PCT Int. Appl., 43 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9942087	A2	19990826	WO 1999-HU13	19990219
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	AU 9925404	A1	19990906	AU 1999-25404	19990219
PRAI	HU 1998-369		19980220		